FIELD MODIFICATION APPROVAL FORM
LFM-OU3- 1
Libby OU3 Phase II Sampling & Analysis Plan

Requested by: Bonnie Lavelle, EPA Remedial Project Manager Date: May 9, 2008

Description of Deviation:

This field modification applies only to Element 2, Spring Runoff Monitoring, only during the time period when surface water samples are collected for rapid turn around laboratory analysis and only to samples from the following stations:

Tailings Impoundment (TP)
Mill pond (MP)

Field quality control samples will be increased to one duplicate and one split sample at each of these two stations for each weekly sampling event. Field quality control samples will be submitted for rapid turn around time analysis. Once water has been collected to support the toxicity test described in Element 5, this field modification no longer applies.

The attached revised Field Sample Data Sheet will be used to identify quality control samples.

☑ EPA Region 8 has reviewed this field modification approves as proposed.

☐ EPA Region 8 has reviewed this field modification and approves with the following exceptions:

_____
_____
_____
_____
_____
_____
_____

☐ EPA Region 8 has reviewed this field modification and does not agree with the proposed approach for the following reasons:

_____
_____
_____
_____
_____
_____

Bonita Lavelle, EPA RPM

5/9/08
Date

Sheet No.: SWS2- _____

LIBBY OU3 PHASE 2 FIELD SAMPLE DATA SHEET (FSDS) rev2
SURFACE WATER AND SEDIMENT

Field Logbook No:_____ Page No: _____

Station ID: _____ Station Type (circle one): Stream Pond Seep Sampling Date: _____

GPS Coordinate System: UTM Zone 11 North, WGS84 datum, meters

X coord: _____ m Y coord: _____ m

Elevation Coordinate System: WGS84, meters Elevation: _____ m

Sampling Team: MWH Sampler Initials: _____

Station Comments: _____

WATER QUALITY PARAMETERS

Time (hh:mm)	Temp. (°C)	pH	Specific Conductance (mS/cm)		Diss. O_2 (mg/L)	ORP (mV)	Turbidity (NTU)	Sampling Depth (ft)	Total Depth (ft)	Discharge (cfs)
			@ Field Temp	@ 25°C						
Water Quality Comments:										

SURFACE WATER AND SEDIMENT SAMPLES

Data Item	Sample 1	Sample 2	Sample 3
Index ID (place pre-printed label in field provided)			
Media (circle one):	Surface Water Sediment	Surface Water Sediment	Surface Water Sediment
Field QC Type (circle one):	FS (field sample) FD (field duplicate) SP (field split) For FD/SP, Parent ID: _____ EB (equip blank) FB (field blank) TB (trip blank) Cooler:_____ PE (perf. eval.) ID:_____	FS (field sample) FD (field duplicate) SP (field split) For FD/SP, Parent ID: _____ EB (equip blank) FB (field blank) TB (trip blank) Cooler:_____ PE (perf. eval.) ID:_____	FS (field sample) FD (field duplicate) SP (field split) For FD/SP, Parent ID: _____ EB (equip blank) FB (field blank) TB (trip blank) Cooler:_____ PE (perf. eval.) ID:_____
Archive Blank (circle)	Yes No	Yes No	Yes No
Sample Time (hh:mm)			
For Sediment:			
Sample Type (circle one):	Grab Composite # of Comp: _____	Grab Composite # of Comp: _____	Grab Composite # of Comp: _____
Sample Depth	Start Depth (in): _____ End Depth (in): _____	Start Depth (in): _____ End Depth (in): _____	Start Depth (in): _____ End Depth (in): _____
Field Comments:			
Cooler:			
Entered by (Provide initials):		***Validated by (Provide initials):***	

For Data Entry Completion (Provide Initials)	Completed by	QC by